

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019774**Date Inspected:** 16-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See Below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Mike Hasler was present during the times noted above for observations and testing relative to the work being performed.

Bay 14 (east line)

MT Inspection

This Caltrans QA inspector received ZPMC non-destructive test (NDT) Inspection Notification, Doc. #08197 from ZPMC for Bay 14, segment 13AE. This QA inspector and Caltrans QA inspector Kelly Leavitt performed visual and magnetic particle test (MT) verification for Item 1 after ZPMC had performed their MT inspection. This inspector performed MT inspection of the following locations;

Item 1

SEG3007N-231, 048, 053, 058, 063, 068, 073, 078

SEG3007Q-264, 132, 137, 142, 147, 152, 157, 162

SA3012-043, 044, \*045, 046 ~ 062, 121,

SA3012A-122, 123 ~ 126, 053 ~ 062, 175 ~ 177, 171, 172

\* This QA inspector identified one location where Visual and MT indications have been noted, due to ZPMC not having labor personnel to grind this location on this date to defer from relevant and non-relevant indications. This weld area has been turned over to day shift personnel to have ZPMC grind this area that has been clearly marked.

See Caltrans Magnetic Particle Test Report (TL6028), dated 01-16-2011 for additional information.

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## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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The following digital picture illustrates the marking of SA3012-045 weld.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

“As noted within the contents of this report.”

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Hasler,Mike	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley,Ken	QA Reviewer

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